

Converting Colors

CIELCh(57, 50.930, 272.175)

Have a look what the booklet for
CIELCh(57, 50.930, 272.175)
contains.

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Color

CIELCh(57, 50.981, 272.146)

Conversions

Conversions Part 1

Format	Color
Hex	2A8DE2
RGB	42, 141, 226
RGB Percent	16%, 55%, 89%
CMY	0.8339, 0.4483, 0.1152
CMYK	0.81, 0.38, 0.00, 0.12
HSL	208°, 76%, 53%
HSV	208°, 81%, 88%
XYZ	24.1220, 24.9227, 75.2265
YIQ	121.0890, -86.2890, 5.4470

Conversions

Conversions Part 2

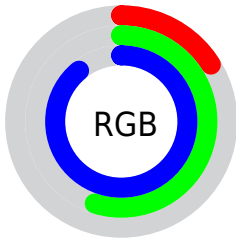
Format	Color
R_{YB}	42, 106, 226
Decimal	2788834
CIE _{Lab}	57.00, 1.91, -50.95
CIE _{LCh}	57, 50.981, 272.146
Yxy	24.9227, 0.1941, 0.2006
Android (android.graphics.Color)	4280978914 (0xFF2A8DE2)
YUV	121.0890, 51.7211, -69.3611
Hunter-Lab	49.9226, -1.1154, -54.3960

Details

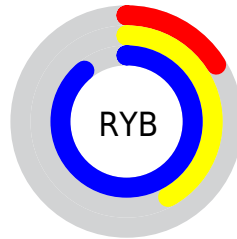
The CIELCh color **57, 50.981, 272.146** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **63, 67.221, 61.419**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 37.929, 259.388**, and **39, 48.753, 279.403** is the 20% darker color. If you saturate the color by 10%, you get **54, 56.722, 276.769**, and if you desaturate by 10%, it is **61, 45.274, 267.938**.

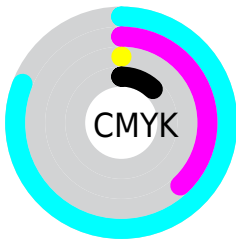
Distribution



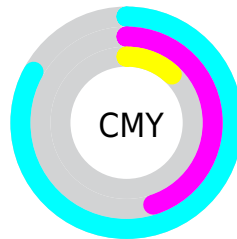
- Red (16%)
- Green (55%)
- Blue (89%)



- Red (16%)
- Yellow (42%)
- Blue (89%)



- Cyan (81%)
- Magenta (38%)
- Yellow (0%)
- Black (12%)





- Cyan (83%)
- Magenta (45%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 50.981, 272.146 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 57, 50.981, 272.146 by changing the saturation by 10% instead.


 57, 50.981,
272.146


 57, 50.981,
272.146


 100, 50.981,
272.146

 47, 50.981,
272.146


 77, 50.981,
272.146

 37, 50.981,
272.146

 87, 50.981,
272.146

 27, 50.981,
272.146

 97, 50.981,
272.146

 17, 50.981,
272.146

 7, 50.981, 272.146

 0, 50.981, 272.146

■ 57, 50.981,
272.146

■ 57, 50.981,
272.146

■ 54, 56.722,
276.769

■ 61, 45.274,
267.938

■ 51, 61.913,
280.916

■ 64, 39.481,
264.245

■ 68, 33.520,
261.088

■ 72, 27.351,
258.432

■ 76, 20.974,
256.217

■ 81, 14.409,
254.377

■ 85, 7.690, 252.861

■ 89, 0.853, 252.022

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57, 50.981, 272.146



63, 67.221, 61.419

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57, 50.981, 272.146



57, 50.981, 322.146



57, 50.981, 92.146



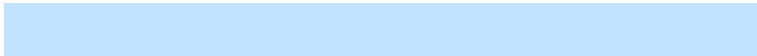
57, 50.981, 142.146

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57, 50.980, 272.147



89, 17.938, 254.882



80, 75.338, 150.532



46, 12.276, 255.538



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 50.980, 272.147



58, 66.358, 279.859



35, 103.752, 302.926



45, 3.878, 252.624



40, 50.618, 280.072



9, 17.844, 270.482

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52, 74.279, 352.915



55, 85.031, 358.279



85, 79.456, 100.501



44, 5.889, 342.460



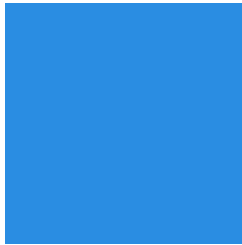
38, 64.693, 358.432



6, 26.834, 352.030

Previews

White Background



This preview shows how the CIE LCh color 57, 50.981, 272.146 looks on a white background.

Color Contrast Check

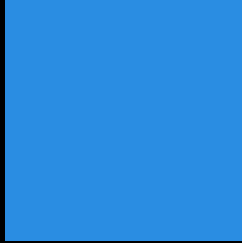
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 57, 50.981, 272.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

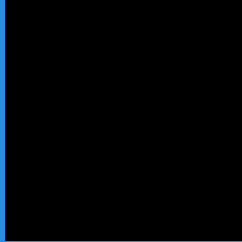
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

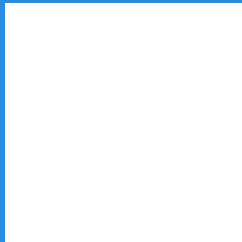
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 50.981, 272.146

Background



This preview shows how black text looks on a background with the CIELCh color 57, 50.981, 272.146.

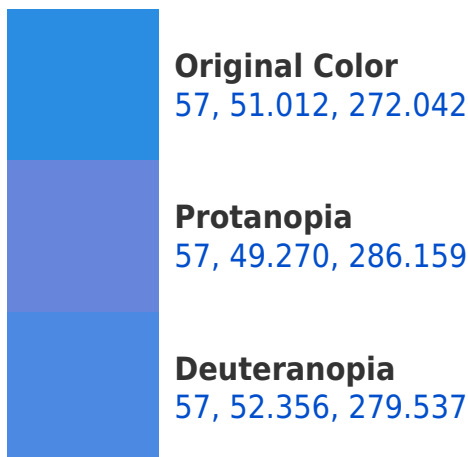


This preview shows how white text looks on a background with the CIELCh color 57, 50.981, 272.146.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
57, 32.756, 207.831

Trichromacy



Original Color
57, 51.012, 272.042

Protanomaly
57, 49.505, 279.557

Deuteranomaly
57, 52.281, 276.945

Tritanomaly
57, 34.177, 237.392

Monochromacy



Original Color
57, 51.012, 272.042

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 21.009, 258.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 50.981, 272.146 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(42, 141, 226)` looks like.

```
.text, #text, p{  
    color:rgb(42, 141, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(42, 141, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 141, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 50.981, 272.146 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(42, 141, 226) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(42, 141, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(42, 141, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 141, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 141, 226);  
box-shadow:4px 4px 4px 4px rgb(42, 141,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 50.981, 272.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 141, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(42, 141,  
226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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